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science for a changing world

U.S. Geological Survey Gulf of Mexico Integrated Science Program Data and Information Management Systems (DIMS)

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Creation of the GOM DIMS

- To provide a comprehensive collection of USGS hydrologic, geologic, biologic, and spatial science study information for onshore and offshore ecosystems through a database driven Internet system.
- Primarily supports the USGS Gulf of Mexico Integrated Science Effort

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GOM Integrated Science Website

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Gulf of Mexico Integrated Science

Gulf of Mexico Integrated Science HOME

Geographic Areas
- Florida:
  - Tampa Bay
  - Suwannee River
- Alabama:
  - Mobile Bay
- Louisiana:
  - Coastal LA
- Mississippi:
  - Atchafalaya & Mississippi River
- Texas:
  - Galveston Bay
- Offshore

Reports
Internet Tools
Maps
Meetings
Photo Tours
Meet the Scientists
Outreach
Contact Us

Search Advanced

Gulf of Mexico Integrated Science

View reports categorized by estuarine system component.

New! Gulf of Mexico IMS

Hot Topics:

4th Annual Science Conference - Tampa Bay Study
February 8 & 9, 2005, Gulfport, Florida
Register online

New! Gulf Coast Geology IMS

Photos - Suwannee River Basin and Estuary Integrated Science Workshop

2002 Natural Color Aerial Photography of Tampa Bay

Mobile Bay Digital Library

Galveston Bay IMS

Updated! Tampa Bay Digital Library

Tampa Bay 2002 Science Poster Series

Tampa Bay 2001 Open-File Report Series

Estuaries are a critical interface between terrestrial and marine ecosystems.
Gulf Estuaries encompass approx. 30,000 sq. km.
(42% of the total estuarine surface area of the U.S. excluding Alaska).

Welcome to the Gulf of Mexico Integrated Science Web site. The key to understanding complex estuarine systems lies in understanding the interactions between geological framework and biological, geochemical and hydrological processes. This project was established to develop an integrated science strategy for assessing and monitoring Gulf of Mexico estuaries using Tampa Bay as a pilot study. The success of this project is founded on coordination of a multidisciplinary team of USGS scientists with key Federal, State and local agencies.

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Summary of Project

- **Search of USGS databases resulted in the discovery of 270 USGS studies in the gulf region, to include over 565 gulf specific tasks.**
- **Acquisition of data layers for the Internet Map Server – allows a user to search on specific geographic features.**
  - **Hydrologic Units**
  - **State and County Boundaries**
  - **US Congressional Districts**
  - **EPA GOM Program Priorities Areas**

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USGS GOM Studies Data

- **Priority data set is the USGS Gulf of Mexico Studies list. This information will be georeferenced for use in the IMS to search for USGS studies by:**
  - **State Boundaries**
  - **County Boundaries**
  - **Watersheds**
  - **Hydrologic Units**
  - **DOI Lands**
  - **US Congressional Districts**

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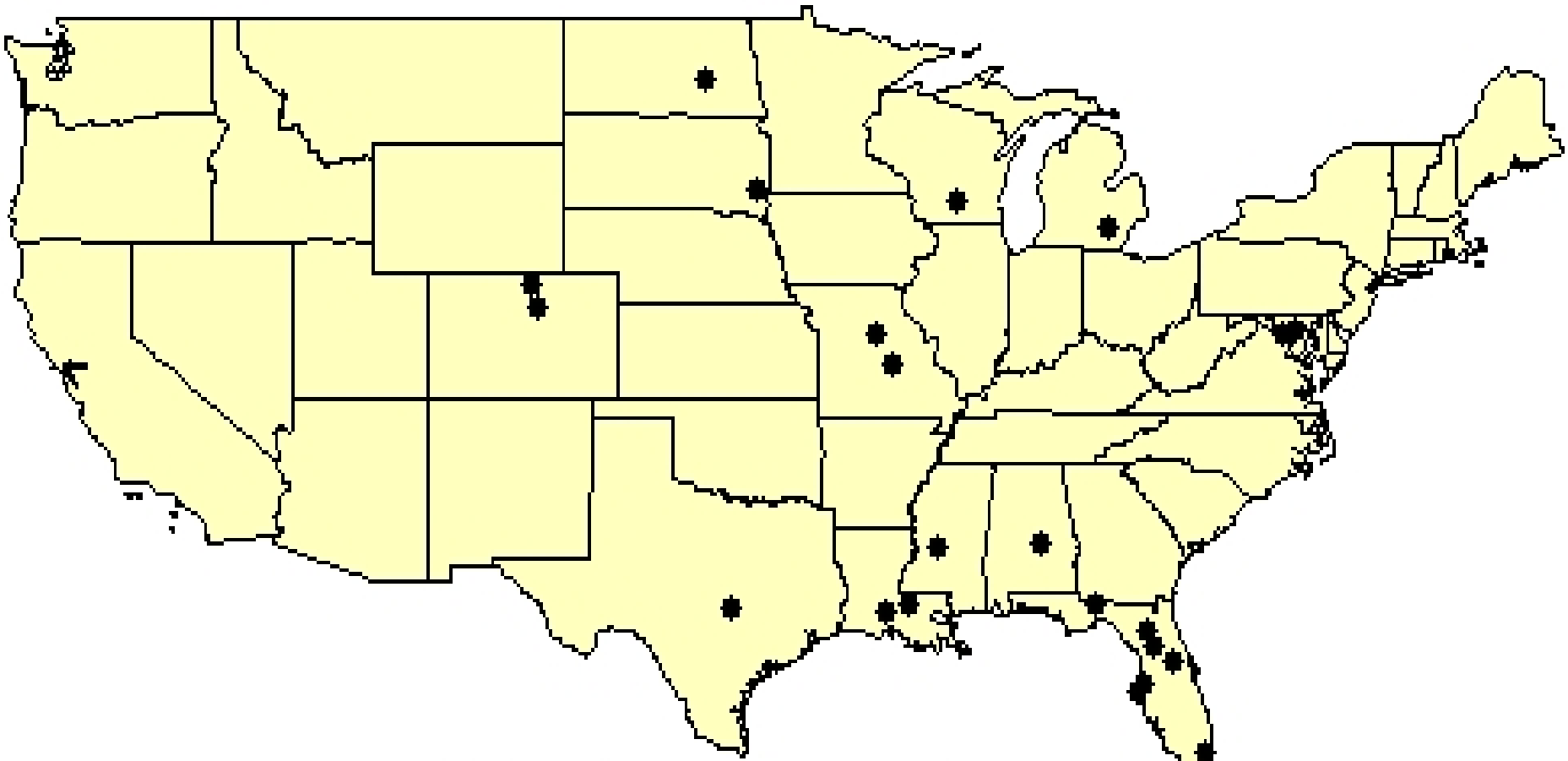
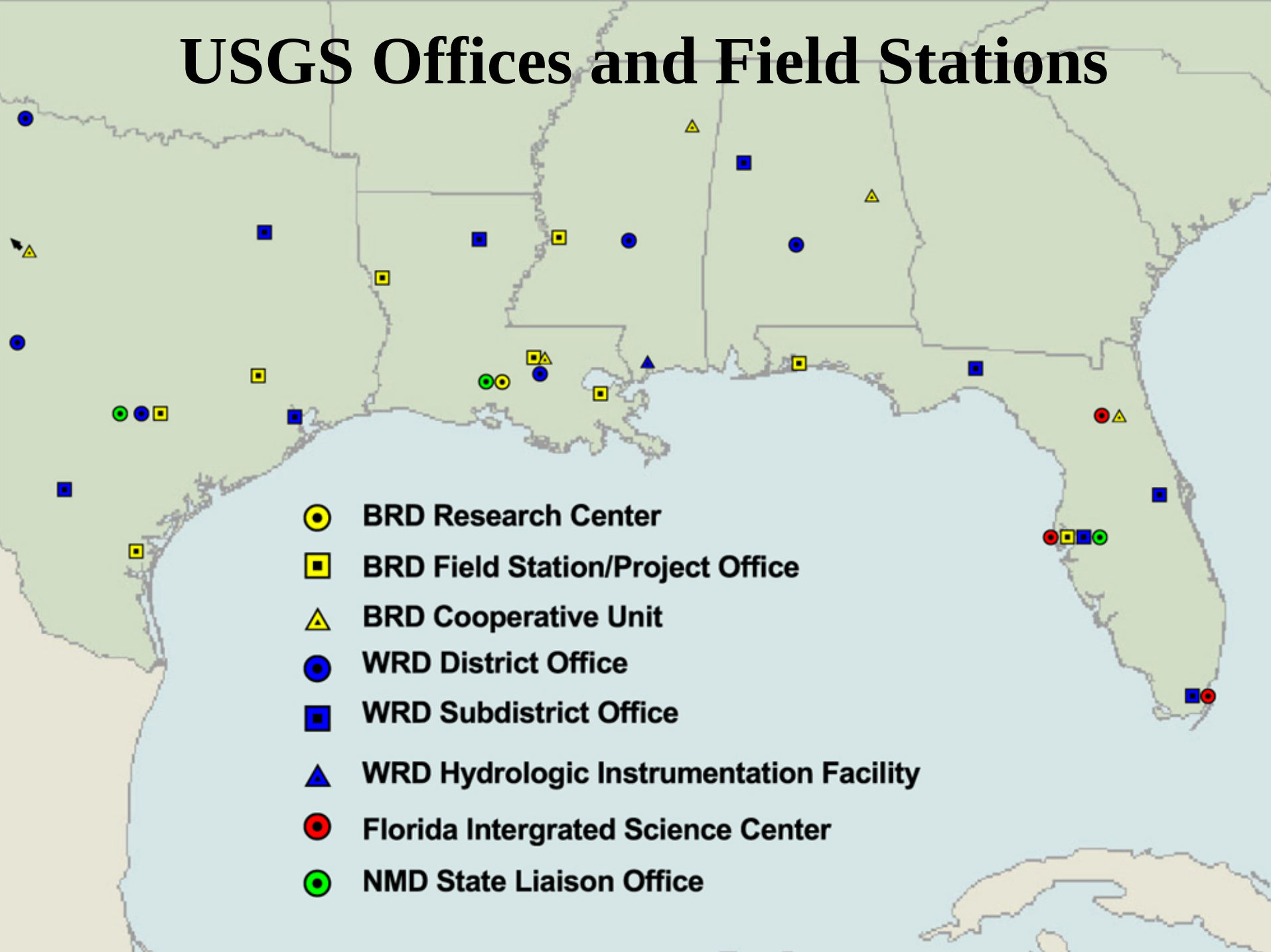
USGS Cost Centers with Projects in the Gulf of Mexico



USGS Office Locations that are engaged in activites within the Gulf of Mexico region

USGS Offices and Field Stations



GOM DIMS Supports other USGS Programs

- **Geographic Information Office (GIO)**
- **National Biological Information Infrastructure (NBII)**
- ***The National Map***

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